

CLAIMS

1 1. A system for printing multimedia data, the system comprising:
2 a network including a printing system and a network device;
3 a network interface for receiving multimedia data from the network device;
4 a media processing system coupled to the network interface to receive the
5 multimedia data, the media processing system determining a printed
6 representation of the multimedia data and an electronic representation of
7 the time-based multimedia data, wherein the media processing system
8 resides at least in part on the printing system and at least in part on the
9 network device;
10 a printed output system in communication with the multimedia processing
11 system to receive the printed representation, the printed output system
12 producing a corresponding printed output from the printed
13 representation of the multimedia data; and
14 an electronic output system in communication with the multimedia
15 processing system to receive the electronic representation, the electronic
16 output system producing a corresponding electronic output from the
17 electronic representation of the multimedia data.

1 2. The system of claim 1, wherein the network device is a personal computer.

1 3. The system of claim 1, wherein the network is a local area network.

1 4. The system of claim 1, further comprising:
2 a remote external service system coupled to the network, the external service
3 system in communication with the media processing system for
4 performing at least some processing steps for multimedia data.

1 5. The system of claim 3, wherein the external service system is coupled
2 to the network by the Internet.

1 6. The system of claim 1, wherein the interface comprises a removable
2 media storage reader.

1 7. The system of claim 1, wherein the interface comprises a media input
2 device selected from a group consisting of: a DVD reader, a video cassette tape
3 reader, a CD reader, an audio cassette tape reader, and a flash card reader.

1 8. The system of claim 1, wherein the external source is a media
2 broadcaster, and wherein the interface comprises a media broadcast receiver that can
3 be tuned to a media broadcast.

1 9. The system of claim 1, wherein the interface comprises an embedded
2 receiver selected from a group consisting of: an embedded TV receiver, an
3 embedded radio receiver, an embedded short-wave radio receiver, an embedded
4 satellite radio receiver, an embedded two-way radio, and an embedded cellular
5 phone.

1 10. The system of claim 1, wherein the network device is a device selected
2 from a group consisting of: an embedded heat sensor, an embedded humidity

3 sensor, an embedded National Weather Service radio alert receiver, and an
4 embedded TV Emergency Broadcast System (EBS) alert monitor.

1 11. The system of claim 1, wherein the network device comprises screen
2 capture hardware.

1 12. The system of claim 1, wherein the network device comprises an
2 ultrasonic pen capture device.

1 13. The system of claim 1, wherein the network device comprises a video
2 recorder, wherein the external source of media is a series of images captured by the
3 video recorder, converted into an electrical format, and then provided to the media
4 processing system.

1 14. The system of claim 1, wherein the network device comprises an
2 audio recorder, wherein the external source of media is a series of sounds that are
3 converted into an electrical format by the audio recorder and then provided to the
4 media processing system.

1 15. The system of claim 1, wherein the electronic output system is
2 configured to write the electronic representation to a removable media storage
3 device.

1 16. The system of claim 15, wherein the removable storage device is
2 selected from a group consisting of: a DVD, a video cassette tape, a CD, an audio
3 cassette tape, a flash card, a computer disk, an SD disk, and a computer-readable
4 medium.

1 17. The system of claim 1, wherein the electronic output system
2 comprises a handling mechanism to accommodate a plurality of removable storage
3 devices.

1 18. The system of claim 17, wherein the handling mechanism is selected
2 from a group consisting of: a feeder, a bandolier, and a tray.

1 19. The system of claim 1, wherein the electronic output system
2 comprises a media writer selected from a group consisting of: a disposable media
3 writer and a self-destructing media writer.

1 20. The system of claim 1, wherein the electronic output system is
2 coupled to a speaker system and sends an audio signal to the speaker system.

1 21. The system of claim 20, wherein the electronic output system
2 comprises an embedded sound player for generating the audio signal.

1 22. The system of claim 1, wherein the electronic output system
2 comprises a web page display.

1 23. The system of claim 1, wherein the media processing system
2 comprises a multimedia server.

1 24. The system of claim 1, wherein the media processing system
2 comprises an audio encryption module.

1 25. The system of claim 1, wherein the media processing system
2 comprises a video encryption module.

1 26. The system of claim 1, wherein the media processing system
2 comprises an audio sound localization module.

1 27. The system of claim 1, wherein the media processing system
2 comprises a video motion detection module.

1 28. The system of claim 1, wherein the network device includes a user
2 interface that provides information to a user about at least one of the printed
3 representation and the electronic representation of the multimedia data, the user
4 interface further accepting input from a user to cause the media processing system to
5 modify at least one of the printed representation and the electronic representation of
6 the multimedia data.

1 29. The system of claim 1, wherein the media processing system
2 determines at least one of the printed representation and the electronic
3 representation with assistance from a networked computing device.

1 30. A method for printing multimedia data, the method comprising:
2 receiving multimedia data from a network device via a network;
3 processing the multimedia data to determine a printed representation of the
4 multimedia data and an electronic representation of the multimedia data,
5 the processing performed at least in part within a printing system and in
6 part within the network device;

7 producing a printed output that corresponds to the printed representation of
8 the multimedia data; and
9 producing an electronic output that corresponds to the electronic
10 representation of the multimedia data.

1 31. The method of claim 30, wherein the electronic output is stored on a
2 media recorder.

1 32. The method of claim 30, wherein the electronic output is stored on a
2 removable storage device.

1 33. The method of claim 32, wherein the removable storage device is a
2 DVD.

1 34. The method of claim 32 wherein the removable storage device is a CD-
2 ROM.

1 35. The method of claim 32 wherein the removable storage device is an audio
2 cassette tape.

1 36. The method of claim 32 wherein the removable storage device is a video
2 tape.

1 37. The method of claim 32 wherein the removable storage device is a flash
2 card.

1 38. The method of claim 32 wherein the removable storage device is a
2 memory stick.

1 39. The method of claim 32 wherein the removable storage device is a
2 computer disk.

1 40. The method of claim 30, wherein the network device includes a cellular
2 telephone.

1 41. The method of claim 30, wherein the network device includes a video
2 camcorder.

1 42. The method of claim 30, wherein the network device comprises a digital
2 audio recorder.

1 43. The method of claim 30, wherein the network device includes a DVD
2 reader.

1 44. The method of claim 30, wherein the network device includes a video
2 cassette tape reader.

1 45. The method of claim 30, wherein the network device includes a CD
2 reader.

1 46. The method of claim 30, wherein the network device includes an audio
2 cassette tape reader.

1 47. The method of claim 30, wherein the network device includes a flash card
2 reader.

1 48. The method of claim 30, wherein the network device includes a digital
2 video recorder.

1 49. The method of claim 30, wherein the network device includes a video
2 capture device.

1 50. The method of claim 30, wherein the network device includes a meeting
2 recorder.